

TGAACGCGGAGGGACATGTTTTCGTCTGGGGCTATGGAATTCTTGGGAAAGGACCAAAGCTCTTGGAAC
GGCAATTCCAGAAATGATTCCACCCACGCTCTTTGGTTTGACGGAGTTTAACCCCTGAAGTCCAGGTTTCC
CAGATCCGATGTGGGCTTAGCCACTTTGCCGCACTCACCAACAAGGGTGAGCTGTTCGTGTGGGGCAAGA
ACATCCGAGGGTGCTTGGGGATTGGCCGCCTGGAAGACCAGTACTTCCCATGGAGGGTGACGATGCCCCG
TGAGCCTGTGGATGTGGCGTGTGGAGTGGATCACATGGTGACTCTAGCCAAGTCATTCATCTGAAAGGCC
CTCT (SEQ ID NO:1)

FIG. 1

03622660

underlined = deleted in targeting construct

[] = sequence flanking Neo insert in targeting construct

TGAACG [CGGAGGGACATGTTTTCTGTCCTGGGGCTATGGA] ATTCTTGGGAAAGGACCAAAGC
TCTTGGAAACGGCAATTCCAGAAATGATTCCACCCACGCTCTTTGGTTTGACGGAGTTTA
ACCCTGAAGTCCAGGTTTCCCAGATCCGATGTGGGCTTAGCCACTTTGCCGCACTCACCA
ACAAGGGTGAGCTGTTCTGCTGTTGGGGCAAGAACATCCGAGGGTGCTTGGGGATTGGCCGC [C
TGAAGACCAGTACTTCCCATGGAGG] GTGACGATGCCCGGTGAGCCTGTGGATGTGGCGT
GTGGAGTGGATCACATGGTGACTCTAGCCAAGTCATTCATCTGAAAGGCCCTCT (SEQ ID NO:1)

Gene Sequence
Structure *

39 bp

Sequence Deleted

239 bp

Size of EST: 354 bp



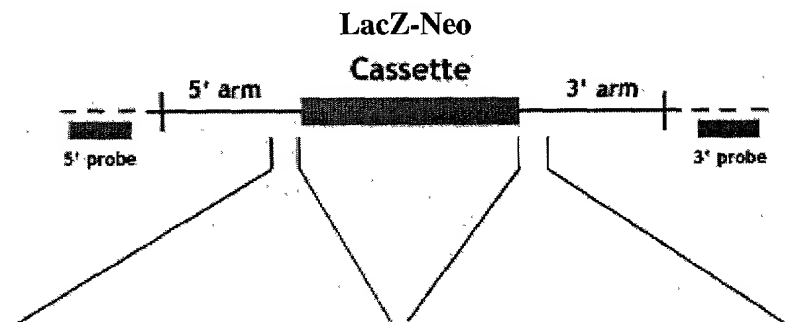
Targeting Vector* (genomic sequence)

Construct Number: 2464

Arm Length:

5': 1.6 kb

3': 2.5 kb



5'>ATTACAGGCGTGCTCCATTCT
GTCTGGTTTCTGCAGTCTGTGGAC
AGCACCAAGGGCTTTGTGCATGCT
GGGCAGGCATGCTATCCCTGAACC
CAGCCCCGTGATGTTTTATGGCAA
GGGAGGGCTCTGCTTGGCTTGACT
CACAACCACTGTTTTGTTGTAACA
CAGCGGAGGGACATGTTTTCTGCT
GGGGCTATGGA<3' (SEQ ID
NO:2)

5'>CTGAAGACCAGTACTTCCA
TGGAGGGTAAGACCATGCAGGGGT
GGGACGTGGAGGCTGTCCCAAAGG
ATGCAGAACCAATGTGGGACAGG
GTCCAGGACCTCCTGAGCGCCACA
GTCAAGGATGGACTCCAGGGAGGC
TTGAGTGGAGGGGATGGGCAGGAG
CTGATGTAGCGCTGGCGGCATGTG
TGCAGCCTTCA<3' (SEQ ID
NO:3)

— Targeting Vector
- - - Endogenous Locus

* Not drawn to scale

FIG. 2